Slotted set screw with cone point

Headless screw for locking and positioning. Dimensions, materials and surface treatments grouped in one data sheet.

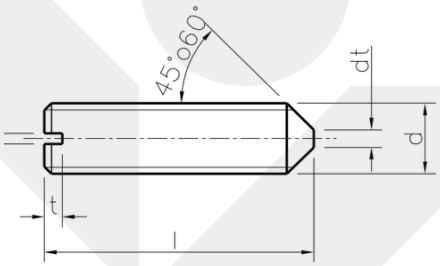
DIN 553 / ISO 7434 / UNI 6117

Dimensional reference: DIN 553 · ISO reference: ISO 7434 · Drive: Slot · Units: mm



Representative geometry photograph. Material and finish are specified separately.

Technical drawing



Reference drawing from the Berardi catalogue. Dimensions in mm; not to scale.

d: Nominal thread diameter · n: Slot width · t: Slot depth · dt max.: Point diameter

Reference geometry

Dimensions in mm. Supply lengths are not listed: specify the required length in your enquiry.

DIN dimensions from the Berardi catalogue, metric coarse thread. n and t are minimum slot values; the point dimension is explicitly identified as minimum or maximum. Check the drawing for polymer and similar-standard executions before substitution.

d	n min.	t min.	dt max.
M3	0.46	0.8	0.3
M4	0.66	1.12	0.4
M5	0.86	1.28	0.5
M6	1.06	1.6	1.5
M8	1.26	2	2

Materials, grades, finishes and treatments

Material	Grade / hardness	Finish
Steel	14H	Uncoated
Stainless steel A1	To be specified to ISO 3506-3	To be specified
Stainless steel A2	To be specified to ISO 3506-3	To be specified
Stainless steel A4	To be specified to ISO 3506-3	To be specified

14H denotes a hardness class to ISO 898-5, not a headed-screw strength class. Mechanical properties of stainless and non-ferrous materials must be agreed. Similar executions, including polymers, do not imply dimensional or performance equivalence. Materials and finishes do not define availability: Dueemme confirms supply in the quotation.

Documentation

Document	Status
Declaration of conformity	Subject to order agreement
Material certificate	Subject to order agreement
EN 10204 2.2 test report	Subject to order agreement
EN 10204 3.1 inspection certificate	Subject to order agreement
Dimensional inspection report	Subject to order agreement
Coating report	Subject to order agreement
Other documentation	Subject to order agreement

Batch documents are not automatically included: specify your requirements in the RFQ.

Standards, types and application

DIN 553 geometry. ISO 7434 and UNI 6117 are related references: check the edition and drawing for interchangeability. The Bossard catalogue identifies the DIN standard as withdrawn.

Set screws lock by point pressure against the component. They are not intended for tensile loading like headed screws. Assess tightening torque and component strength for the actual joint.

Technical references

Berardi - geometry and 14H steel

Berardi - product

Inoxmare - A2 and A4, p. 32

Bossard BN 665 - A1